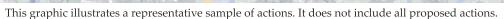
Draft: Integration of Habitat Actions to Address Process, Function, & Structure

in North Lake Washington Tributaries Process: Forests, wetlands, floodplains, and riparian buffers provide critical hydrologic processes that Process: Headwater areas, wetlands, and sources temper high flows, flashiness, and erosion; maintain of groundwater (e.g., seeps and springs) maintain base flows; and protect water quality and water temperature and hydrologic integrity. temperature. Functions Provided: Water Quality Functions Provided: Water Quality Water Ouantity Water Quantity Habitat Land Use: Protect or restore headwater areas such as Cold Creek Land Use: Protect forest cover, minimize increases in impervious natural area, forest cover, wetlands, and groundwater sources surfaces and road crossings through incentives and regulations through incentives and regulations to provide long-term protection (including stormwater and critical areas ordinances), encourage and improvements. low impact development. Site-Specific Actions: Acquire land or conservation easements Site-Specific Actions: Purchase property or easements to protect to protect key areas that contribute to basin-wide water quality parcels that include forests, floodplains, and riparian buffers. and hydrologic integrity. Public Outreach: Promote public awareness of alternatives to Public Outreach: Increase public awareness of importance of impervious materials and effect of impervious surfaces on these key areas in salmon production throughout subwatershed. water quality and water quantity. **Process:** Natural processes deliver clean gravels to spawning areas, as well as create pools and riffles that are important to salmon. Function Provided: Water Quality Land Use: Adopt stormwater management practices that reduce sediment inputs from bedscouring high flows and from non-point sources, Process: Spawning areas in the including sand on roads and farm practices. North Lake Washington subarea Site-Specific Actions: Construct LWD jams at are focused in Bear Creek and strategic locations to reduce erosion. Plant native riparian vegetation to restore riparian should be protected. corridor and increase bank stability. Functions Provided: Water Quality Public Outreach: Promote understanding of Water Quantity link between fine sediments, metals Habitat (particularly those in household items), and Land Use: Continue to enforce clearing water quality for salmon. restrictions and aquatic buffers. Site-Specific Actions: Acquire land or Process: Floodplains provide offconservation easements to protect spawning areas, particularly in Upper Bear and channel habitat for juvenile salmon Cottage Lake Creek. to rear and find refuge from fastmoving waters and predators. Public Outreach: Promote water conservation Floodplains reduce water and other everyday activities that benefit salmon temperatures, maintain adequate (such as reduced pesticide use and washing your car on grass). Increase public awareness of stream flows, and provide sources of linkages between home water use, stormwater large woody debris that slow fastrun-off, and stream conditions. moving water, create channel stability, and create pool habitat. Functions Provided: Water Quality Habitat Land Use: Maintain and effectively enforce current aquatic-area buffers to restore the long-term natural sources of LWD. **Site-Specific Actions:** Construct LWD jams at strategic locations to address lack of natural Process: Adequate stream flows LWD sources. Plant native riparian allow upstream migration vegetation to restore riparian corridor. and spawning. Public Outreach: Promote understanding of link Function Provided: Water Quantity between trees today, fish habitat tomorrow, and salmon recovery. Land Use: Provide long-term protection of adequate flows by addressing impact of water withdrawals (illegal, legal, exempt) Site-Specific Actions: Remove channel constrictions that limit groundwater interactions and hydrologic connectivit Public Outreach: Promote awareness of the link between water conservation and stream



Key to Action Types

Green denotes adjacent land use actions across the watershed or in the immediate vicinity of water or key habitats (e.g., wetlands) where regulations/incentives coupled with public education can protect or restore water quality or quantity, and habitat conditions. In the short- and long-term, land use actions in these areas have a major effect on aquatic habitat conditions and the processes that create and maintain that habitat.

Blue denotes areas along water bodies where site-specific actions

are proposed to protect or restore specific stream reaches. Such actions may protect or restore habitat functions, or address symptoms of degraded habitat functions. These actions are supported by land use and public education actions that protect habitat processes and functions throughout the watershed.

Gray denotes areas where broader and public outreach actions are proposed throughout the watershed. Responsible land stewardship and low impact development protect and maintain natural flow regimes and water quality.

Examples of Site-Specific Project Recommendations

Restoration by Reach

Add LWD as Opportunities Arise

Provide Enhanced Flows

Restore and Replant Riparian Vegetation

Reforest Cleared Areas

Protection by Reach

Protect Riparian Habitat through Acquisition

🚺 Protect Headwaters and Springs

P Protect Large/Public Parcel of Land



Study Reaches (EDT)



Water Body



Urban Growth Boundary



Wetland





Vicinity Map



Department of Natural Resources and Parks Water and Land Resources Division